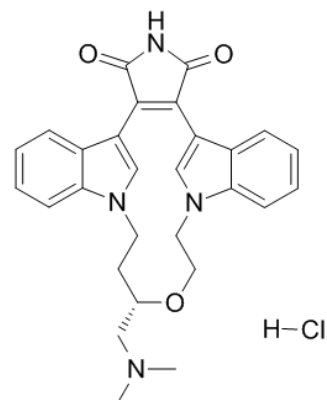


Product Name : Ruboxistaurin hydrochloride
Cat. No. : PC-42441
CAS No. : 169939-93-9
Molecular Formula : C₂₈H₂₉ClN₄O₃
Molecular Weight : 505.0079
Target : PKC
Solubility :



Biological Activity

Ruboxistaurin hydrochloride (LY333531) is a potent, selective, ATP-competitive, orally available **PKC beta (PKCβ)** inhibitor with IC₅₀ of 4.7 and 5.9 nM for PKCβ I and PKCβ II, respectively.

Ruboxistaurin hydrochloride (LY333531) displays >60-fold selectivity over PKCα, and other ATP dependent kinases (PKA, Calcium calmodulin, Caesin kinase and Src).

Ruboxistaurin hydrochloride (LY333531) ameliorates the glomerular filtration rate, albumin excretion rate, and retinal circulation in diabetic rats.

References

Jirousek MR, et al. *J Med Chem.* 1996 Jul 5;39(14):2664-71.

Ishii H, et al. *Science.* 1996 May 3;272(5262):728-31.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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